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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/988,958	11/19/2001	Naoki Oguchi	FUJZ 19.185 9665	
26304	7590 06/15/2005		EXAMINER	
KATTEN MUCHIN ROSENMAN LLP			LEE, ANDREW CHUNG CHEUNG	
575 MADISC NEW YORK.	N AVENUE NY 10022-2585		ART UNIT	PAPER NUMBER
•			2664	

DATE MAILED: 06/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	%				
	Application No.	Applicant(s)			
Office Action Summan	09/988,958	OGUCHI ET AL.			
Office Action Summary	Examiner	Art Unit			
The SAAU INC DATE of this comment of	Andrew C. Lee	2664			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	within the statutory minimum of thirty (30) days ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).			
Status	•				
1) Responsive to communication(s) filed on 19 No	ovember 2001.				
, <u> </u>	☐ This action is FINAL . 2b) ☐ This action is non-final.				
,	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.				
Disposition of Claims					
4) ⊠ Claim(s) <u>1-13</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) <u>1-13</u> is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or	vn from consideration.				
Application Papers					
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the or Replacement drawing sheet(s) including the correction of the original	epted or b) objected to by the Idrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). lected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119	·				
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priorical application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati ity documents have been receive ı (PCT Rule 17.2(a)).	on No ed in this National Stage			
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 11/19/2001.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:				

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1, 5, 9, 11 are rejected under 35 U.S.C. 102(e) as being anticipated by McCanne (U.S. Patent No. 6611872 B1).

Regarding claims 1, 5, 9, McCanne discloses the limitation of a virtual network construction method, system, apparatus comprising the steps of generating and multicasting control packets each having set a multicast address predetermined per virtual network in first relaying apparatuses originating a virtual network within a public data communication network (Abstract, lines 1 – 7; column 6, lines 14 – 16, lines 19 – 23; lines 38 – 50), and establishing virtual links to the first relaying apparatuses which are transmitting sources of the control packets upon receipt thereof and returning reply packets through the virtual links in second relaying apparatuses belonging to the multicast address group, whereby the virtual links are established between all pairs of the first and the second relaying apparatuses belonging to the multicast address group to construct the virtual network (column 9, lines 24 – 42).

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Regarding claim 11, McCanne discloses the limitation of the relaying apparatus as claimed in claimed further comprising means for generating a routing table for each of a plurality of virtual networks logically independent of one another, and means for performing a packet relay of each virtual network based on the routing table (column 17, lines 30 - 43; column 18, lines 24 - 27).

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 2, 6, 10, 3, 7, 12, 4, 8, 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over McCanne (U.S. Patent No. 6611872 B1) in view of Ylonen et al. (U.S. Patent No. 6438612 B1).

Regarding claims 2, 6, 10, McCanne discloses the limitation of a virtual network construction method, system, apparatus comprising the steps of generating and multicasting control packets each having set a multicast address predetermined per virtual network in first relaying apparatuses originating a virtual network within a public data communication network (Abstract, lines 1 – 7; column 6, lines 14 – 16, lines 19 – 23; lines 38 – 50). McCanne does not disclose expressly the virtual network construction method, system, apparatus as claimed in claimed wherein the second

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relaying apparatuses authenticate the control packets received. Ylonen et al. discloses the limitation of the virtual network construction method, system, apparatus as claimed in claimed wherein the second relaying apparatuses authenticate the control packets received (Abstract, lines 12 – 19; column 7, lines 65 – 67; column 8, lines 1 – 9). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify McCanne to include the virtual network construction method, system, apparatus as claimed in claimed wherein the second relaying apparatuses authenticate the control packets received such as that taught by Ylonen et al. in order to provide secure transmission of data packets in a network comprising so-called virtual routers.

Regarding claims 3, 7, 12, McCanne discloses the limitation of a virtual network construction method, system, apparatus comprising the steps of generating and multicasting control packets each having set a multicast address predetermined per virtual network in first relaying apparatuses originating a virtual network within a public data communication network (Abstract, lines 1 – 7; column 6, lines 14 – 16, lines 19 – 23; lines 38 – 50). McCanne does not disclose expressly the virtual network construction method, system, apparatus as claimed in claimed wherein the virtual links comprise IP tunnels. Ylonen et al. discloses the limitation of the virtual network construction method, system, apparatus as claimed in claimed wherein the virtual links comprise IP tunnels (column 2, lines 17 – 23). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify McCanne to include the virtual network construction method, system, apparatus as claimed in claimed wherein the virtual links comprise IP tunnels construction method, system, apparatus as claimed in claimed wherein the virtual links comprise IP tunnels such as that taught by Ylonen et al. in

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order to provide secure transmission of data packets in a network comprising so-called virtual routers.

Regarding claims 4, 8, 13, McCanne discloses the limitation of a virtual network construction method, system, apparatus comprising the steps of generating and multicasting control packets each having set a multicast address predetermined per virtual network in first relaying apparatuses originating a virtual network within a public data communication network (Abstract, lines 1 – 7; column 6, lines 14 – 16, lines 19 – 23; lines 38 – 50). McCanne discloses the limitation of the virtual network construction method, system, apparatus as claimed in claimed wherein the virtual links comprise MPLS tunnels. Ylonen et al. discloses the limitation of the virtual network construction method, system, apparatus as claimed in claimed wherein the virtual links comprise MPLS tunnels (column 2, lines 53 – 59). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify McCanne to include the virtual network construction method, system, apparatus as claimed in claimed wherein the virtual links comprise MPLS tunnels such as that taught by Ylonen et al. in order to provide secure transmission of data packets in a network comprising so-called virtual routers.

Conclusion

Any inquiry concerning this communication or earlier communications from the 4. examiner should be directed to Andrew C. Lee whose telephone number is (571) 272Application/Control Number: 09/988,958

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3131. The examiner can normally be reached on Monday through Friday from 8:30am -

5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Wellington Chin can be reached on (571) 272-3134. The fax phone number

for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

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Business Center (EBC) at 866-217-9197 (toll-free).

June 06, 2005

Primary Examiner

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